

What is claimed is:

1 1. A recording apparatus for recording digital
2 content onto an optical disk, comprising:
3 an accepting unit operable to accept from a user an
4 indication whether the optical disk is intended for
5 consumer use or industrial use;
6 an encrypting unit operable to encrypt the digital
7 content, using a different encryption method depending
8 on whether the optical disk is intended for consumer use
9 or industrial use;
10 a first writing unit operable to, when the optical
11 disk is intended for consumer use, (a) generate a first
12 area on the optical disk, and (b) write the encrypted
13 digital content to the first area; and
14 a second writing unit operable to, when the optical
15 disk is intended for industrial use, (a) generate a first
16 area and a second area on the optical disk, (b) write the
17 encrypted digital content to the second area, and (c) write
18 message data to the first area,
19 wherein the message data indicates that the digital
20 content cannot be reproduced by a consumer reproduction
21 apparatus.

1 2. The recording apparatus of Claim 1,
2 wherein the encryption method for consumer use is

3 to encrypt the digital content using a first content key
4 which is to be encrypted using a disk key unique to the
5 optical disk, and

6 the encryption method for industrial use is to
7 encrypt the digital content using a second content key
8 which is to be encrypted using a device key unique to an
9 industrial reproduction apparatus.

1 3. The recording apparatus of Claim 1,
2 wherein the message data includes a plurality of
3 character strings which are each written in a different
4 language, and

5 each character string indicates that the digital
6 content cannot be reproduced by the consumer reproduction
7 apparatus.

4. A recording apparatus for recording digital content onto an optical disk which has a first entry area and a second entry area, the first entry area being an area that is to be first accessed when the optical disk is loaded to a consumer reproduction apparatus, and the second entry area being an area that is to be first accessed when the optical disk is loaded to an industrial reproduction apparatus, the recording apparatus comprising:

10 an accepting unit operable to accept from a user an
11 indication whether the optical disk is intended for
12 consumer use or industrial use;

13 an encrypting unit operable to encrypt the digital
14 content, according to a different encryption method
15 depending on whether the optical disk is intended for
16 consumer use or industrial use;

17 a first writing unit operable to, when the optical
18 disk is intended for consumer use, (a) write the encrypted
19 digital content to the optical disk, and (b) write a jump
20 command which designates the digital content as a jump
21 destination, to the first entry area; and

22 a second writing unit operable to, when the optical
23 disk is intended for industrial use, (a) write the
24 encrypted digital content and message data to the optical
25 disk, (b) write a jump command which designates the message
26 data as a jump destination, to the first entry area, and
27 (c) write a jump command which designates the digital
28 content as a jump destination, to the second entry area,

29 wherein the message data indicates that the digital
30 content cannot be reproduced by the consumer reproduction
31 apparatus.

1 5. An optical disk that has a first area and a second
2 area, and is intended for consumer use or industrial use,

3 wherein

4 digital content is recorded in the first area if the
5 optical disk is intended for consumer use, and

6 the digital content is recorded in the second area
7 and message data is recorded in the first area, if the
8 optical disk is intended for industrial use,

9 wherein the message data indicates that the digital
10 content cannot be reproduced by a consumer reproduction
11 apparatus.

1 6. An optical disk which has a first entry area and
2 a second entry area and on which digital content is
3 recorded, wherein

4 the first entry area is an area to be first accessed
5 when the optical disk is loaded to a consumer reproduction
6 apparatus, while the second entry area is an area to be
7 first accessed when the optical disk is loaded to an
8 industrial reproduction apparatus,

9 a jump command that designates the digital content
10 as a jump destination is written in the first entry area,
11 if the optical disk is intended for consumer use, and

12 a jump command that designates message data as a jump
13 destination is written in the first entry area, and a jump
14 command that designates the digital content as a jump
15 destination is written in the second entry area, if the

16 optical disk is intended for industrial use,
17 wherein the message data indicates that the digital
18 content cannot be reproduced by the consumer reproduction
19 apparatus.

1 7. A recording method for recording digital content
2 onto an optical disk, comprising:

3 an accepting step for accepting from a user an
4 indication whether the optical disk is intended for
5 consumer use or industrial use;

6 an encrypting step for encrypting the digital
7 content, using a different encryption method depending
8 on whether the optical disk is intended for consumer use
9 or industrial use;

10 a first writing step for, when the optical disk is
11 intended for consumer use, (a) generating a first area
12 on the optical disk, and (b) writing the encrypted digital
13 content to the first area; and

14 a second writing step for, when the optical disk is
15 intended for industrial use, (a) generating a first area
16 and a second area on the optical disk, (b) writing the
17 encrypted digital content to the second area, and (c)
18 writing message data to the first area,

19 wherein the message data indicates that the digital
20 content cannot be reproduced by a consumer reproduction

21 apparatus.

1 8. The recording method of Claim 7,
2 wherein the encryption method for consumer use is
3 to encrypt the digital content using a first content key
4 which is to be encrypted using a disk key unique to the
5 optical disk, and

6 the encryption method for industrial use is to
7 encrypt the digital content using a second content key
8 which is to be encrypted using a device key unique to an
9 industrial reproduction apparatus.

1 9. The recording method of Claim 7,
2 wherein the message data includes a plurality of
3 character strings which are each written in a different
4 language, and

5 each character string indicates that the digital
6 content cannot be reproduced by the consumer reproduction
7 apparatus.

1 10. A computer-readable storage medium storing a
2 computer program for recording digital content onto an
3 optical disk, the computer program comprising
4 an accepting step for accepting from a user an
5 indication whether the optical disk is intended for

6 consumer use or industrial use;

7 an encrypting step for encrypting the digital
8 content, using a different encryption method depending
9 on whether the optical disk is intended for consumer use
10 or industrial use;

11 a first writing step for, when the optical disk is
12 intended for consumer use, (a) generating a first area
13 on the optical disk, and (b) writing the encrypted digital
14 content to the first area; and

15 a second writing step for, when the optical disk is
16 intended for industrial use, (a) generating a first area
17 and a second area on the optical disk, (b) writing the
18 encrypted digital content to the second area, and (c)
19 writing message data to the first area,

20 wherein the message data indicates that the digital
21 content cannot be reproduced by a consumer reproduction
22 apparatus.

1 11. The storage medium of Claim 10,

2 wherein the encryption method for consumer use is
3 to encrypt the digital content using a first content key
4 which is to be encrypted using a disk key unique to the
5 optical disk, and

6 the encryption method for industrial use is to
7 encrypt the digital content using a second content key

8 which is to be encrypted using a device key unique to an
9 industrial reproduction apparatus.

1 12. The storage medium of Claim 10,
2 wherein the message data includes a plurality of
3 character strings which are each written in a different
4 language, and
5 each character string indicates that the digital
6 content cannot be reproduced by the consumer reproduction
7 apparatus.